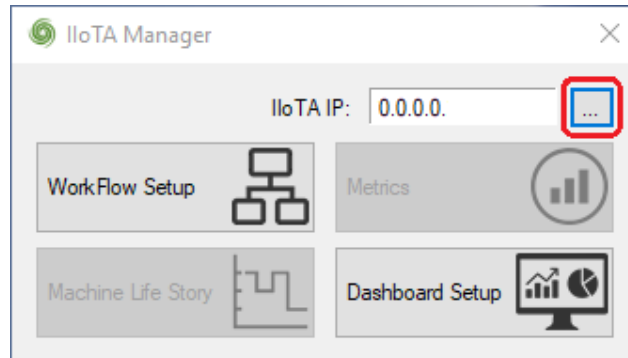# IIoTA

Edge Server Appliance

Quick Start Guide

Follow these simple instructions to get your IIoTA up and running as quickly as possible.
Feel free to alter any of these steps to fit your project needs.

Set up Skip Check
Open Work Flow Manager
Open the 'IIoTA Manager.exe' software.
Click the […] in the upper right corner to find your IIoTA Device.
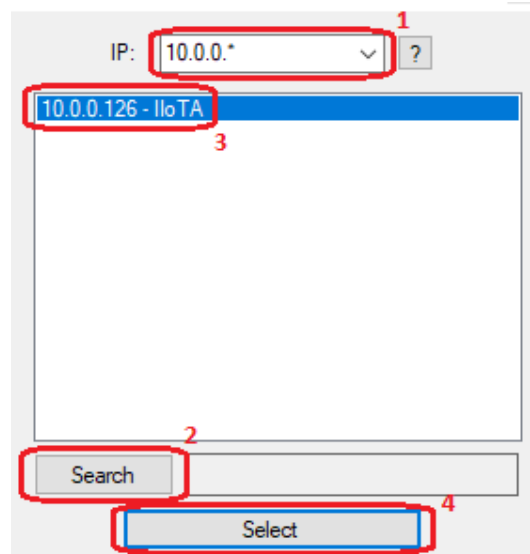

Type your IP Address at the top, use '*' as a wild card if you are not sure of the exact address.
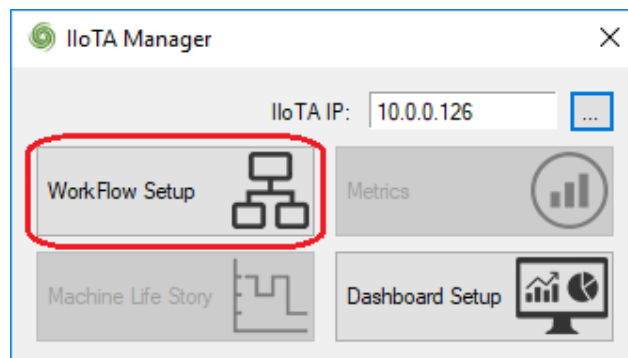Click [Search].
Highlight your IIoTA Device.
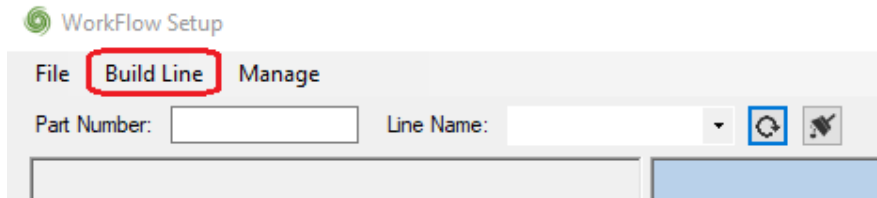Click [Select] (or double click the IIoTA Device).
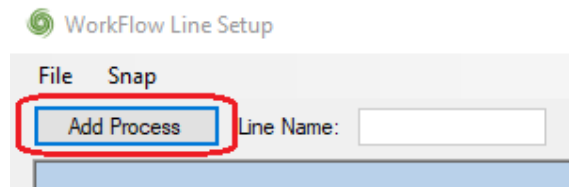

Click [Work Flow Setup].

Build Line

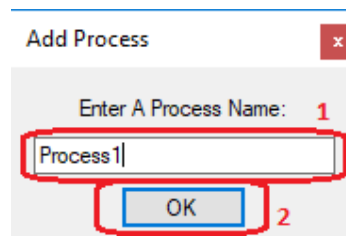Click 'Build Line' from the top menu.
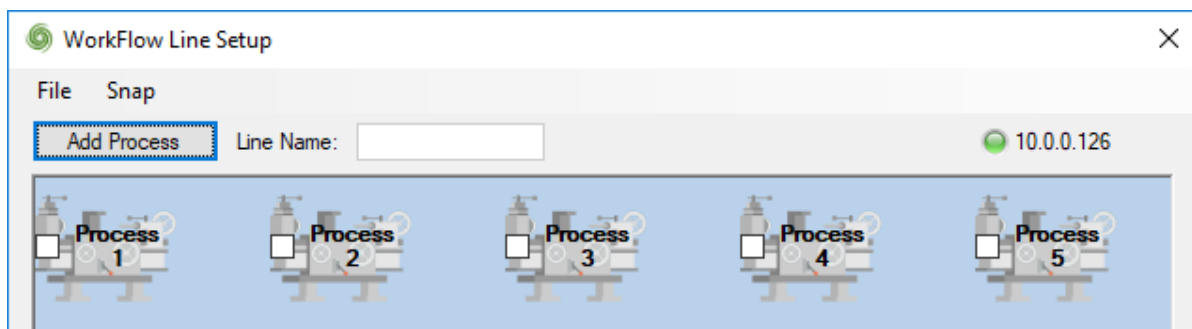

Click [Add Process].
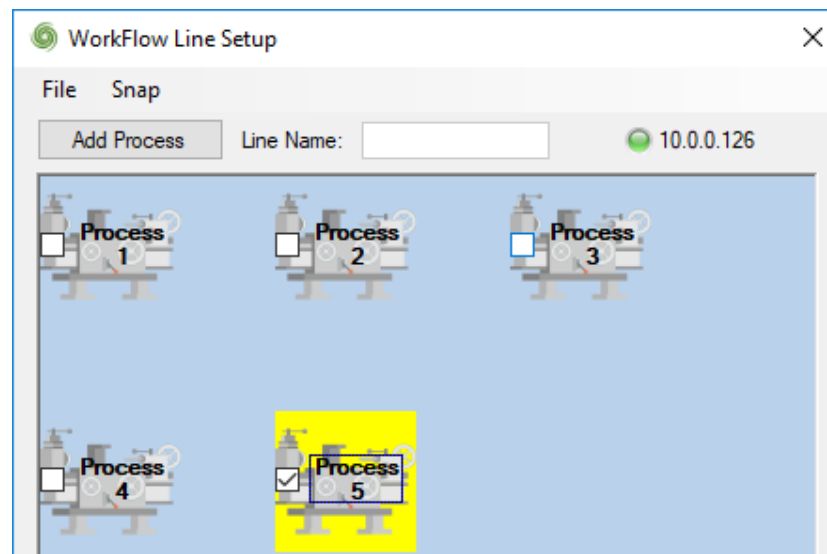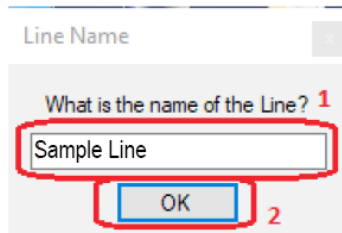

Enter a process name.
Click [OK].

Repeat those steps until you have all the processes you desire.

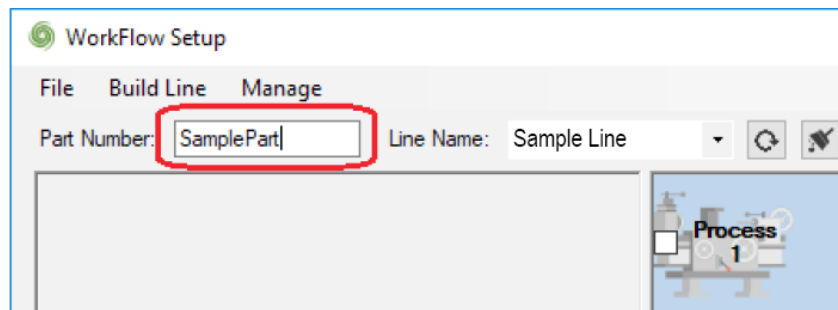Use the mouse to drag the processes around to reorder them as desired.

Click 'File > Save Line'.
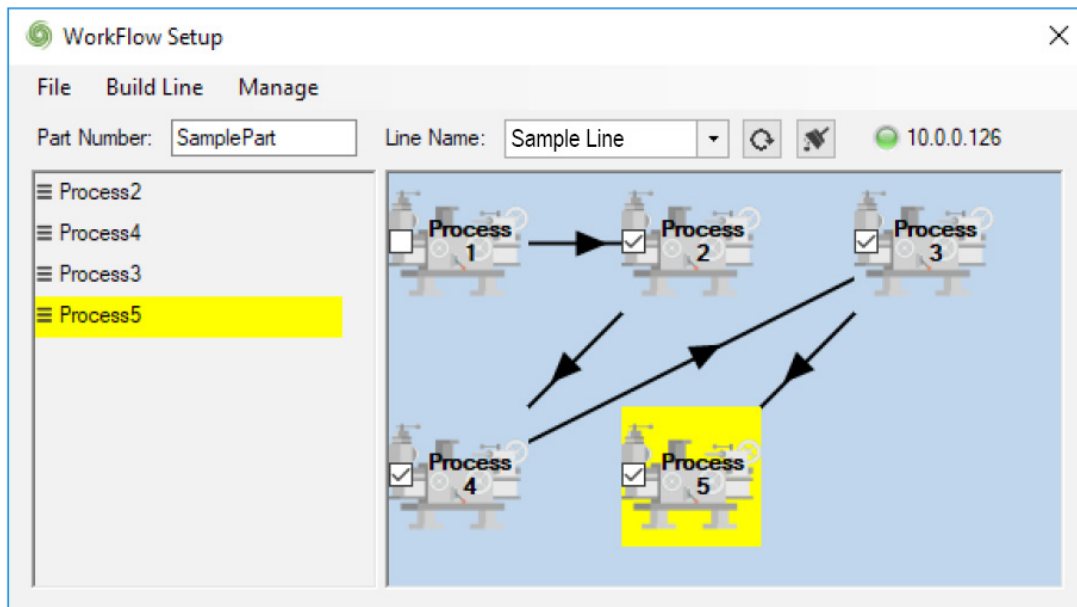Enter the Line Name.
Click [OK].

Build Part Flow

Type Part Number at the top.

Click the Processes to build the Parts' Process Flow.

Click 'File > Save' to save the Part Flow.
Repeat for all desired parts on line.

Work Flow Setup is complete.
Continue reading to implement Skip Check.

Integrate into Workbench Project

There are 2 major steps to a skip check process.

Step 1: The 'SkipCheck' Request

      This step is implemented before a part is ran at a process.

      It checks to see if the part has passed all previous processes and is allowed to run at this process.

      It is set up like any other transaction.

      The Transport Map must be set to 'SkipCheck'.

      Input:

            'PUID' is the unique Serial Number.

            'PPROCESSNAME' is the name of the Current Process.

            'PPARTNUMBER' is the Part Number.

      Output:

            'out_STATUS' returns 1 if the part passed the 'SkipCheck' Request and 0 otherwise.

            'out_MESSAGE' returns '0,OK' if the part passed the 'SkipCheck' Request, and an error otherwise.

IIoTA.net

Step 2: The 'StoreResults'

   This step is implemented after a part has ran at a station.

   It stores the results of the process, so further 'SkipChecks' can check against it.

   It is set up like any other transaction.

   The Transport Map must be set to 'StoreResults'.

   Input:

   'PPROCESSNAME' is the name of the Current Process.

   'PPARTNUMBER' is the Part Number.

   'PMACHINENAME' is the Machine Name at this station.

   'PUIDS' is the unique Serial Number.

   'PPASSED' is a weather the part passed this process or not.

   'PRESULTS' is a spare field for entering any results data that may be desired.

   'PLINENAME' is the name of the Line this process is on.

Output:

   'out_STATUS' returns 1 if the 'StoreResults' worked and 0 otherwise.

   'out_MESSAGE' returns '0,OK' if the 'StoreResults' worked, and an error otherwise.

Edge Server Appliance

Resetting the IIoTA™ unit allows the user to return the IP address assignments to the factory settings without compromising existing programs and settings:

1. Power OFF the IIoTA™
2. Fully press and HOLD the RESET button
3. Press and RELEASE the POWER button. Ensure the red POWER indicator remains illuminated.
4. Continue HOLDING the RESET button for 25 seconds
5. Release RESET button - the IP addresses will be reset to:
   ETH0: 192.168.1.68 / 255.255.255.0
   ETH1: 10.10.10.10 / 255.255.255.0

IIoTA™ resources are available at www.IIoTA.net.

Technical Support: +1 (865) 409-1555